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Enter terms
Search

[Reset](#) Sort By: Title (ascending)

- [Relevancy \(descending\)](#)
- [Title \(descending\)](#)
- [Open Date \(descending\)](#)
- [Close Date \(descending\)](#)
- [Release Date \(descending\)](#)

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Displaying 1 - 10 of 68 results



1.

Release Date: 07-25-2013Open Date: 07-25-2013Due Date: 09-23-2013Close Date: 09-23-2013

DOT SBIR DTRT57-13-R-SBIR2 2 DOT SBIR DTRT57-13-R-SBIR2 2 ...

SBIR Department of Transportation

2. [14.2-FA2: 14.2-FA2 Management System Display to Track Emergency Response Vehicles and Mutual Aid During a Crash Response](#)

Release Date: 07-14-2014Open Date: 07-14-2014Due Date: 09-15-2014Close Date: 09-15-2014

Disaster response at airports involves integration of airport fire rescue with emergency personnel and equipment from the surrounding community. The current response model is built upon the concept of mutual aid. As such, airport command authorities face the task of coordinating and tracking multiple disparate fire rescue units and personnel. Technology could provide an integrated command and cont ...

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3. [15.1-FR2: Active Personal Safety System for Train Yard and Road Crewworkers](#)

Release Date: 01-06-2015Open Date: 01-06-2015Due Date: 03-09-2015Close Date:

03-09-2015

DOT SBIR DTRT57-15-R-SBIR1 1 15.1-FR2 DOT SBIR DTRT57-15-R-SBIR1 1 ...

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[4. 12.1-FR3: Advanced Locomotive Energy Storage System](#)

Release Date: 10-07-2011Open Date: 10-11-2011Due Date: 12-12-2011Close Date: 12-12-2011

Rail transportation is one of the most environmentally friendly and energy efficient means of transportation for both passengers and freight. However, there are opportunities to improve upon these benefits and to extend their impact by further improving the efficiency and reducing the emissions associated with rail transportation and by increasing the proportion of our freight and passenger ...

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[5. 12.2-FH2: Advanced Rapid Non-destructive test method to determine chemical composition of concrete materials in the field](#)

Release Date: 04-02-2012Open Date: 04-02-2012Due Date: 06-05-2012Close Date: 06-05-2012

DOT SBIR DTRT57-12-R-SBIR2 2 12.2-FH2 DOT SBIR DTRT57-12-R-SBIR2 2 ...

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[6. 13.2-FM1: Affiliation Strength/Risk Model Development for Motor Carrier Succession](#)

Release Date: 07-25-2013Open Date: 07-25-2013Due Date: 09-23-2013Close Date: 09-23-2013

The Federal Motor Carrier Safety Administration (FMCSA) is responsible for regulating the safety of interstate truck and bus travel in the United States. The primary mission of FMCSA is to reduce crashes, injuries and fatalities involving large trucks and buses.FMCSA's strategic framework is built upon three core principles: Raise the bar to enter the industry; Require operators to ...

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[7. 15.1-FR5: Browser-Based Application for Locomotive Inspection Data Collection](#)

Release Date: 01-06-2015Open Date: 01-06-2015Due Date: 03-09-2015Close Date: 03-09-2015

DOT SBIR DTRT57-15-R-SBIR1 1 15.1-FR5 DOT SBIR DTRT57-15-R-SBIR1 1 ...

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8. [12.1-FH1: Coating Existing Concrete Barriers to Reduce Rollover Potential](#)

Release Date: 10-07-2011Open Date: 10-11-2011Due Date: 12-12-2011Close Date: 12-12-2011

There are thousands of miles of concrete barrier in place on the highways across the United States and many more miles used as temporary barriers in work zones. There are 5 typical concrete barrier shapes which have been used for years that generally have performed acceptably. The different shapes with their different design characteristics provide some tradeoffs with crash performance ...

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9. [14.2-FA1: Commercial Space Vehicle Tracking Using 1090 MHz ADS-b](#)

Release Date: 07-14-2014Open Date: 07-14-2014Due Date: 09-15-2014Close Date: 09-15-2014

Commercial space vehicles licensed by the FAA include launch vehicles, re-entry vehicles and manned high altitude balloons. Operations of commercial space vehicles will become increasingly frequent and then routine in various regions of the US. The primary objective of this research is to ensure no degradation to both the safety and efficiency of the National Airspace (NAS) for other N ...

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10. [12.1-FM1: Communicating Towed unit \(Trailer\) Vehicle Identification Number\(s\) \(VIN\) to the Powered unit.](#)

Release Date: 10-07-2011Open Date: 10-11-2011Due Date: 12-12-2011Close Date: 12-12-2011

The primary mission of Federal Motor Carrier Safety Administration (FMCSA) is to reduce crashes, injuries and fatalities involving large truck and buses. One of the strategies employed to accomplish this goal is to foster innovative research in new or augmenting safety enhancing technologies and to facilitate faster deployment of proven systems. In collaboration with our industry partners an ...

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- [1](#)
- [2](#)
- [3](#)
- [4](#)
- [5](#)
- [6](#)
- [7](#)
- [Next](#)
- [Last](#)

